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	APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/630,124		07/30/2003		David R. Haub	CS22492US	6704	
	20280	7590	7590 11/18/2005		EXAMINER		
	MOTOROLA INC 600 NORTH US HIGHWAY 45				TRAN, P	TRAN, PABLO N	
	ROOM AS437			ART UNIT	PAPER NUMBER		
	LIBERTYV	ILLE, IL	60048-5343		2685		

DATE MAILED: 11/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/630,124	HAUB ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Pablo N. Tran	2685					
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address					
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAISIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on 30 August 2005.							
·		action is non-final.						
3)□								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂	☑ Claim(s) <u>1-23</u> is/are pending in the application.							
	4a) Of the above claim(s) <u>10-18</u> is/are withdrawn from consideration. Claim(s) is/are allowed.							
5)								
	S) Claim(s) <u>1-9 and 19-23</u> is/are rejected. Claim(s) is/are objected to.							
8)Ш	Claim(s) are subject to restriction and/or	election requirement.						
Applicati	on Papers		·					
9)□	9)☐ The specification is objected to by the Examiner. 0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
10)								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	nder 35 U.S.C. § 119							
•	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
+ 0	application from the International Bureau	• • • •						
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment	(e)							
_	e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) 🔲 Notice	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite					
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	5) Notice of Informal Po	atent Application (PTO-152)					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-9 and 19-23 are rejected under 35 U.S.C. 102(e) as being anticipated by McCall et al. (WO00/18023).

As per claims 1 and 19, McCall et al. discloses a communication device with reduced current drain, the communication device having a transmitter, a receiver, a control circuit operable to detect interference and control the receiver linearity, wherein if interference is detected the control circuit, determines a frequency offset of the interference, measures a power level of the interference, calculates a receiver linearity required to achieve a desired signal-to-interference ratio, and adjusts the receiver linearity to achieve the desired signal-to-interference ratio (abstract, [0003-0004], [0010-0015]).

As per claim 2, McCall et al. discloses code division multiple access (CDMA) system ([0031]).

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As per claim 3-4 and 20, McCall et al. discloses estimating a signal spectrum and whether interference products exceed a noise spectrum threshold within a receiver pass-band ([0010], [0034], 0039]).

As per claim 5, McCall et al. discloses an attenuation factor of the receiver at the frequency offset ([0048]).

As per claims 6 and 21, McCall et al. discloses adjusting an analog-to-digital converter dynamic range to a level corresponding to the adjusted receiver linearity ([00500051], [0057], [0065-0067]).

As per claim 7, McCall et al. discloses measuring a transmit power level and frequency offset of the communication device and wherein the desired signal-to-interference ratio of the calculating step is dependent upon the transmit power level and frequency offset (abstract, [0003-0004], [0010-0015]).

As per claims 8-9 and 22, McCall et al. discloses setting at least one of the group of current and gain to the receiver at a minimum level sufficient to achieve the desired linearity and dynamic range for the desired signal-to-interference ratio ([0048], [0067]).

As per claim 23, McCall et al. suggest a third-order intercept point threshold to provide sufficient signal-to-interference ([0036]).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pablo Tran whose telephone number is (571)272-7898. The examiner normal hours are 9:30 -5:00 (Monday-Friday). If attempts to reach the

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examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571)272-7899. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-directauspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 12, 2005

PABLO N. TRAN
PRIMARY EXAMINER

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